

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
VOCO/08SERIAL NO.
10/671,142INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT
Roger Graham ByfordFILING DATE
September 25, 2003GROUP
2644

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | PATENT NUMBER | | | | | | | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----|---------------|---|---|---|---|---|---|---------------|----------|-------|----------|-------------------------------|
| /AAA/ | A.A | 5 | 5 | 6 | 3 | 9 | 5 | 2 | 08-10-98 | Mercer | 381 | 56 | 02/16/94 |
| | A.B | | | | | | | | | | | | |
| | A.C | | | | | | | | | | | | |
| | A.D | | | | | | | | | | | | |
| | A.E | | | | | | | | | | | | |
| | A.F | | | | | | | | | | | | |
| | A.G | | | | | | | | | | | | |
| | A.H | | | | | | | | | | | | |
| | A.I | | | | | | | | | | | | |
| | A.J | | | | | | | | | | | | |
| | A.K | | | | | | | | | | | | |

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION (YES/NO) |
|-------|-----|--------------------|---------------------|-----------------------------|-------|----------|-------------------------|
| | A.L | DE 26 28 259 | 12/29/77 | Germany | | | No |
| | A.M | DE 36 04 292 | 08/20/87 | Germany | | | No |
| /AAA/ | A.N | EP 0 380 290 | 08/01/90 | Europe | | | |
| | A.O | | | | | | |
| | A.P | | | | | | |
| | A.Q | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

| | | |
|-------|-----|---|
| /AAA/ | A.R | International Search Report, mailed August 11, 2004 |
| /AAA/ | A.S | Nagayasu et al., <u>Communication System Using Short Range Radio Communication Headset</u> , US2003/O118197, published June 26, 2003. |
| | A.T | |

EXAMINER

/Angela A Armstrong/

DATE CONSIDERED

03/30/2007

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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| SUBSTITUTE FORM PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. VOCC/08 | | SERIAL NO. 10/671,142 | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT Roger Graham Byford | | | |
| (37 CFR 1.98(b)) | | | | FILING DATE September 25, 2003 | | GROUP 2644 | |

| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|------------|---------|----------|----------------------------|------------|
| EXAMINER INITIAL | PATENT NUMBER | PATENT NUMBER | PATENT NUMBER | PATENT NUMBER | PATENT NUMBER | PATENT NUMBER | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| /AAA/ | A.A | 4 | 6 | 2 | 5 | 0 | 8 | 3 | 11-25-1988 | Poikela | 379 | 389 | 04-02-1985 |
| | A.B | | | | | | | | | | | | |
| | A.C | | | | | | | | | | | | |
| | A.D | | | | | | | | | | | | |
| | A.E | | | | | | | | | | | | |
| | A.F | | | | | | | | | | | | |
| | A.G | | | | | | | | | | | | |
| | A.H | | | | | | | | | | | | |
| | A.I | | | | | | | | | | | | |
| | A.J | | | | | | | | | | | | |
| | A.K | | | | | | | | | | | | |

| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | | |
|--|------------------|--------------------------|-------|----------|----------------------|-----|--|
| DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION (YES/NO) | | |
| /AAA/ A.L | EP 1 018 854 A1 | 7-12-2000 | EPO | H04R | 25/00 | Yes | |
| | A.M | | | | | | |
| | A.N | | | | | | |
| | A.O | | | | | | |
| | A.P | | | | | | |
| | A.Q | | | | | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) | |
|---|--|
| A.R | International Search Report Mailed December 23, 2004 |
| /AAA/ A.S | US Patent Application US 2003/0046070 Filed 09-23-2003, For <u>SPEECH DETECTION SYSTEM AND METHOD</u> , To Vergin |
| /AAA/ A.T | US Patent Application US 2003/0179888 Filed 03-05-2003, For <u>VOICE ACTIVITY DETECTION (VAD) DEVICES AND METHODS FOR USE WITH NOISE SUPPRESSION SYSTEMS</u> , To Burnett et al. |

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|-------------------------------|----------------------------|
| EXAMINER /Angela A Armstrong/ | DATE CONSIDERED 03/30/2007 |
|-------------------------------|----------------------------|

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of
Invention

APPARATUS AND METHOD FOR DETECTING USER
SPEECH

Application Number: 10/671142



Confirmation Number: 4551

First Named Applicant: Roger Byford

Attorney Docket Number: VOCO-08

Search string: (5778026 or 6230029 or 6394278 or 6446042
or 5673325 or 4239936 or 4672674 or 4357488
or 5381473 or 20020147579 or 20020152065 or
20020067825 or 20020068610 or 20020091518
or 20020110246 or 20020147016).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|-----------------|------|-------|----------|
| AAA/ | 1 | 5778026 | 1998-07-07 | Zak | | | |
| | 2 | 6230029 | 2001-05-08 | Hahn et al. | | | |
| | 3 | 6394278 | 2002-05-28 | Reed | | | |
| | 4 | 6446042 | 2002-09-03 | Detlef et al. | | | |
| | 5 | 5673325 | 1997-09-30 | Andrea et al. | | | |
| | 6 | 4239936 | 1980-12-16 | Sakoe | | | |
| | 7 | 4672674 | 1987-06-09 | Clough et al. | | | |
| | 8 | 4357488 | 1982-11-02 | Knighton et al. | | | |
| AAA/ | 9 | 5381473 | 1995-01-10 | Andrea et al. | | | |

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|------|----------|-------------|------------|---------------|------|-------|----------|
| AAA/ | 1 | 20020147579 | 2002-10-10 | Kusher et al. | | | |
| AAA/ | 2 | 20020152065 | 2002-10-17 | Kopp et al. | | | |

| | | | | |
|------|---|-------------|------------|-------------------|
| AAA/ | 3 | 20020067825 | 2002-06-06 | Baranowski et al. |
| ↓ | 4 | 20020068610 | 2002-06-06 | Anvekar et al. |
| ↓ | 5 | 20020091518 | 2002-06-11 | Baruch et al. |
| ↓ | 6 | 20020110246 | 2002-08-15 | Gosior et al. |
| AAA/ | 7 | 20020147016 | 2002-10-10 | Arazi et al. |

Signature

| Examiner Name | Date |
|----------------------|------------|
| /Angela A Armstrong/ | 03/30/2007 |